

FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLANT  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONSJUN 10 2002  
RULE 63 (37 C.F.R. 1.63)  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED INHIBITORS OF SERINE PROTEASE ACTIVITY OF MATRIPTASE OR MTSP

the specification of which (CHECK applicable BOX(ES))

X A.  is attached hereto.  
 BOX(ES) → B.  was filed on March 5, 2002 as U.S. Application No. 10/092,004  
 → C.  was filed as PCT International Application No. PCT/ / On

and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

## PRIOR FOREIGN APPLICATION(S)

Number	Country	Day/Month/Year Filed	Date first Laid-open or Published	Date Patented or Granted	Priority NOT Claimed
PCT/US01/28137	PCT	7 September 2001	Pending		

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

## PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)

Application No. (series code/serial no.)	Day/Month/Year Filed	Status	Priority NOT Claimed
		pending, abandoned, patented	

09/657,986 8 September 2000 Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please direct all correspondence to Suzanne L. Biggs, Pillsbury Winthrop LLP, 11682 El Camino Real, Suite 200, San Diego, CA, 92130 and direct all telephone calls to (858) 509-4095

And I hereby appoint the below-named persons individually and collectively as my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

G. Lloyd Knight	17698	Glenn J. Perry	28458	Stephen C. Glazier	31361	William P. Atkins	38821
Kevin E. Joyce	20508	Kendrew H. Colton	30368	Richard H. Zaitlen	27248	Paul L. Sharer	36004
George M. Sirilla	18221	G. Paul Edgell	24238	Roger R. Wise	31204	Anthony L. Miele	34393
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Suzanne L. Biggs	30158	David A. Jakopin	32995	Jack S. Barufka	37087	Jonathan E. Jobe, Jr.	28429
		Mark G. Paulson	30793	Adam R. Hess	41835	John R. Wetherell, Jr.	31678
		James Y.C. Sze	43943	Victor J. Castellucci	43535	Robert M. Bedgood	43488

(1) INVENTOR'S SIGNATURE: Joseph E. BiggsDate: 4/24/02

First	Middle Initial	Family Name
Residence	San Diego	California/United States
City	State/Foreign Country	Country of Citizenship
Post Office Address	9711 Caminito Pudregal	
(include Zip Code)	92131	

(2) INVENTOR'S SIGNATURE: Gary E. Coombs

First	Middle Initial	Family Name
Residence	San Diego	California/United States
City	State/Foreign Country	Country of Citizenship
Post Office Address	8757 Libra Drive	
(include Zip Code)	92121	

FOR ADDITIONAL INVENTORS, "X" box  and proceed on the attached page to list each additional inventor.Atty. Dkt. No. 021287-0272245

(C/M#)



DECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS:

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## (3) INVENTOR'S SIGNATURE:

Date:

First	E	REINER	Family Name
Residence	San Diego	California/United States	United States
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	7510 Charmant Drive, #724 92122		

## (4) INVENTOR'S SIGNATURE:

Date:

First	O	ONG	Family Name
Residence	San Diego	California/United States	Canada
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	8328 Regents Road, #3C 92121		

## (5) INVENTOR'S SIGNATURE:

Date:

First		ARALDI	Family Name
Residence	Plymouth	Massachusetts	Italy
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	22 Hillview Lane 02360		

## (6) INVENTOR'S SIGNATURE:

Date:

First			Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (7) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial	Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (8) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial	Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (9) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial	Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			



Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)  
**PATENT AND TRADEMARK CASES - RULES OF PRACTICE**  
**DUTY OF DISCLOSURE**

**OPY OF PAPERS  
 ORIGINALLY FILED**

(a) ...Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability... (b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refutes, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability

**PATENT LAWS 35 U.S.C.**

**§102. Conditions for patentability; novelty and loss of right to patent**

A person shall be entitled to a patent unless—

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) Before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

**§103. Condition for patentability; non-obvious subject matter**

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made. . . .
- (c) Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

\* Six months for Design Applications (35 U.S.C. 172).

FOR UTILITY/DESIGN  
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First	Middle Initial	Family Name
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(include Zip Code)	92131	

Date: 4/24/2002

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FOR ADDITIONAL INVENTORS, "X" box  and proceed on the attached page to list each additional inventor.

Atty. Dkt. No. 021287-0272245  
(C/M#)



1000920004 - 061002

DECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS:

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City	State/Foreign Country	Country of Citizenship
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City	State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)		

## (8) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City	State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)		

## (9) INVENTOR'S SIGNATURE:

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Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)  
**PATENT AND TRADEMARK CASES - RULES OF PRACTICE**  
**DUTY OF DISCLOSURE**

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- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
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**PRIOR FOREIGN APPLICATION(S)**

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Date first Laid-open or Published</u>	<u>Date Patented or Granted</u>	<u>Priority NOT Claimed</u>
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And I hereby appoint the below-named persons individually and collectively as my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

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Paul E. White, Jr.	32011	Timothy J. Klima	34852	W. Patrick Bengtsson	32456	Arthur J. O'Dea	42,952
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		James Y.C. Sze	43943	Victor J. Castellucci	43535	Robert M. Bedgood	43488

**(1) INVENTOR'S SIGNATURE:**

Joseph	E.	SEMPLE	Date:
First	Middle Initial	Family Name	
Residence	San Diego	California/United States	United States
City	State/Foreign Country	Country of Citizenship	
Post Office Address	9711 Caminito Pudregal		
(include Zip Code)	92131		

**(2) INVENTOR'S SIGNATURE:**

Gary	S.	COOMBS	Date:
First	Middle Initial	Family Name	
Residence	San Diego	California/United States	United States
City	State/Foreign Country	Country of Citizenship	
Post Office Address	8757 Libra Drive		
(include Zip Code)	92121		

FOR ADDITIONAL INVENTORS, "X" box  and proceed on the attached page to list each additional inventor.

Atty. Dkt. No. 021287-0272245

(C/M#)



10092004 - DE 10002

DECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS:

OPY OF PAPERS  
ORIGINALLY FILED

(3) INVENTOR'S SIGNATURE: *John E. Reini*

Date: 4/24/02

First	Middle Initial	Family Name
John	E	REINER
Residence	San Diego	United States
City	California/United States	Country of Citizenship
Post Office Address (include Zip Code)	7510 Charmant Drive, #724 92122	

(4) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Edgar	O	ONG
Residence	San Diego	Canada
City	California/United States	Country of Citizenship
Post Office Address (include Zip Code)	8328 Regents Road, #3C 92121	

(5) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Gian Luca	A	ARALDI
Residence	Massachusetts	Italy
City	Massachusetts	Country of Citizenship
Post Office Address (include Zip Code)	22 Hillview Lane 02360	

(6) INVENTOR'S SIGNATURE:

Date:

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**Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)**

## **PATENT AND TRADEMARK CASES - RULES OF PRACTICE DUTY OF DISCLOSURE**

(a) ... Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability... (b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refutes, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability

**PATENT LAWS 35 U.S.C.**

## §102. Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless--

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) Before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

### §103. Condition for patentability; non-obvious subject matter

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made. . . .
- (c) Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

\* Six months for Design Applications (35 U.S.C. 172).

JUN 10 2002

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FORM

RULE 63 (37 C.F.R. 1.63)  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FOR UTILITY/DESIGN  
PCT/INT'L/NA/PLANT  
ORIGINAL SUBST/SUPPLEMENTAL  
DECLARATIONS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As the below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED INHIBITORS OF SERINE PROTEASE ACTIVITY OF MATRIPTASE OR MTSP1

the specification of which (CHECK applicable BOX(ES))

X A.  is attached hereto.  
BOX(ES) → B.  was filed on March 5, 2002 as U.S. Application No. 10/092,004  
→ C.  was filed as PCT International Application No. PCT/ / On \_\_\_\_\_

and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

<u>PRIOR FOREIGN APPLICATION(S)</u>		<u>Date first Laid-open or Published</u>	<u>Date Patented or Granted</u>	<u>Priority NOT Claimed</u>
<u>Number</u>	<u>Country</u>			
PCT/US01/28137	PCT	7 September 2001	Pending	

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

<u>PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)</u>		<u>Status</u>	<u>Priority NOT Claimed</u>
<u>Application No. (series code/serial no.)</u>	<u>Day/Month/Year Filed</u>		
09/657,986	8 September 2000	Pending	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please direct all correspondence to Suzanne L. Biggs, Pillsbury Winthrop LLP, 11682 El Camino Real, Suite 200, San Diego, CA, 92130 and direct all telephone calls to (858) 509-4095

And I hereby appoint the below-named persons individually and collectively as my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

G. Lloyd Knight	17698	Glenn J. Perry	28458	Stephen C. Glazier	31361	William P. Atkins	38821
Kevin E. Joyce	20508	Kendrew H. Colton	30368	Richard H. Zaitlen	27248	Paul L. Sharer	36004
George M. Sirilla	18221	G. Paul Edgell	24238	Roger R. Wise	31204	Anthony L. Miele	34393
Dale S. Lazar	28872	Lynn E. Eccleston	35861	Michael R. Dzwonczyk	36787	Russ Weinzimmer	36717
Paul E. White, Jr.	32011	Timothy J. Klima	34852	W. Patrick Bengtsson	32456	Arthur J. O'Dea	42,952
Suzanne L. Biggs	30158	David A. Jakopin	32995	Jack S. Barufka	37087	Jonathan E. Jobe, Jr.	28429
		Mark G. Paulson	30793	Adam R. Hess	41835	John R. Wetherell, Jr.	31678
		James Y.C. Sze	43943	Victor J. Castellucci	43535	Robert M. Bedgood	43488

(1) INVENTOR'S SIGNATURE:

Joseph	E.	SEMPLE	Date:
First	Middle Initial	Family Name	
Residence	San Diego	California/United States	United States
City	State/Foreign Country	Country of Citizenship	
Post Office Address	9711 Caminito Pudregal		
(include Zip Code)	92131		

(2) INVENTOR'S SIGNATURE:

Gary	S.	COOMBS	Date:
First	Middle Initial	Family Name	
Residence	San Diego	California/United States	United States
City	State/Foreign Country	Country of Citizenship	
Post Office Address	8757 Libra Drive		
(include Zip Code)	92121		

FOR ADDITIONAL INVENTORS, "X" box  and proceed on the attached page to list each additional inventor.

Atty. Dkt. No. 021287-0272245

(C/M#)



DECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS:

•OPY OF PAPERS  
ORIGINALLY FILED

## (3) INVENTOR'S SIGNATURE:

Date:

John	E	REINER	
First	Middle Initial		Family Name
Residence	San Diego	California/United States	United States
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	7510 Charmant Drive, #724 92122		

## (4) INVENTOR'S SIGNATURE:

Date:

Edgar	O	ONG	
First	Middle Initial		Family Name
Residence	San Diego	California/United States	Canada
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	9328 Regents Read, #36-10738 Glendover Lane 92121-92126		

## (5) INVENTOR'S SIGNATURE:

Date:

Gian Luca		ARALDI	
First	Middle Initial		Family Name
Residence	Plymouth	Massachusetts	Italy
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	22 Hillview Lane 02360		

## (6) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial		Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (7) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial		Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (8) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial		Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			

## (9) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial		Family Name
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)			



Rule 56(a) &amp; (b) = 37 C.F.R. 1.56(a) &amp; (b)

PATENT AND TRADEMARK CASES - RULES OF PRACTICE  
DUTY OF DISCLOSURECOPY OF PAPERS  
ORIGINALLY FILED

(a) ...Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability... (b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refutes, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability

PATENT LAWS 35 U.S.C.**§102. Conditions for patentability; novelty and loss of right to patent**

A person shall be entitled to a patent unless—

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) Before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

**§103. Condition for patentability; non-obvious subject matter**

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made....
- (c) Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

\* Six months for Design Applications (35 U.S.C. 172).



FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLANT  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

**RULE 63 (37 C.F.R. 1.63)      ORIGINALLY FILED IN  
DECLARATION AND POWER OF ATTORNEY      FORM  
FOR PATENT APPLICATION      ~~SEARCHED~~  
UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the **INVENTION ENTITLED INHIBITORS OF SERINE PROTEASE ACTIVITY OF MTRIPTASE OR MTSP1**

the specification of which (CHECK applicable BOX(ES))

X A.  is attached hereto.  
BOX(ES) → B.  was filed on March 5, 2002 as U.S. Application No. 10/092,004  
→ C.  was filed as PCT International Application No. PCT/ / On

and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

**PRIOR FOREIGN APPLICATION(S)** **Number** **Country** **Day/MONTH/Year Filed** **Date first Laid open or Published** **Date Patented or Granted** **Priority NOT Claimed**

PCT/US01/28137 PCT 7 September 2001 Pending

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and

PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

**PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)** **Status** **Priority NOT Claimed**  
**Application No. (series code/serial no.)** **Day/MONTH/Year Filed** **pending, abandoned, patented**

09/657,986 8 September 2000 Pending  
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under the laws of the United States of America and that I have read the foregoing statement and fully understand and agree with its content.

Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please direct all correspondence to Suzanne E. Diggs, 7150 Bay Vista Way, San Diego, CA 92130, and direct all telephone calls to (858) 509-4095

And I hereby appoint the below-named persons individually and collectively as my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

G. Lloyd Knight 17698 Glenn J. Perry 28458 Stephen C. Glazier 31361 William P. Atkins 38821  
 Kevin E. Joyce 20508 Kendrew H. Colton 30368 Richard H. Zaitlen 27248 Paul L. Sharer 36004  
 G. M. Gill 18224 C. Paul Edall 24228 Roger P. Wise 31204 Anthony J. Miele 34393

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Dale S. Lazar	28872	Lynn E. Eccleston	35861	Michael R. Dzwonczyk	36787	Russ Weinzirmer	36717
Paul E. White, Jr.	32011	Timothy J. Klima	34852	W. Patrick Bengtsson	32456	Arthur J. O'Dea	42,952
Suzanne L. Biggs	30158	David A. Jakopin	32995	Jack S. Barufka	37087	Jonathan E. Jobe, Jr.	28429
		Mark G. Paulson	30793	Adam R. Hess	41835	John R. Wetherell, Jr.	31678
		James Y.C. Sze	43943	Victor J. Castellucci	43535	Robert M. Bedgood	43488

**(1) INVENTOR'S SIGNATURE:**

Date:

Joseph		E.	SEMPLE	
First:		Middle Initial:		Family Name:
Residence	San Diego	California/United States	United States	
City		State/Foreign Country	Country of Citizenship	
Post Office Address (include Zip Code)	9711 Caminito Pudregal 92131			

(2) INVENTOR'S SIGNATURE:

**Date:**

Gary	S.	COOMBS	
First	Middle Initial	Family Name	
Residence	San Diego	California/United States	United States
City		State/Foreign Country	Country of Citizenship
Post Office Address (include Zip Code)	8757 Libra Drive 92121		

FOR ADDITIONAL INVENTORS, "X" box  and proceed on the attached page to list each additional inventor.

Atty. Dkt. No. 021287-0272245

(C/M#)



100092004 - 061002

COPY OF PAPERS  
ORIGINALLY FILEDDECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS:

## (3) INVENTOR'S SIGNATURE:

Date:

	John	E	REINER	
	First	Middle Initial		Family Name
Residence	San Diego	California/United States	United States	
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)	7510 Charmant Drive, #724 92122			

## (4) INVENTOR'S SIGNATURE:

Date:

	Edgar	O	ONG	
	First	Middle Initial		Family Name
Residence	San Diego	California/United States	Canada	
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)	8328 Regents Road, #3C 92121			

(5) INVENTOR'S SIGNATURE: *Gian Luca Araldi*

Date: 4/15/02

	Gian Luca		ARALDI	
	First	Middle Initial		Family Name
Residence	Plymouth	Massachusetts	Italy	
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)	22 Hillview Lane 02360			

## (6) INVENTOR'S SIGNATURE:

Date:

	First	Middle Initial		Family Name
Residence				
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)				

## (7) INVENTOR'S SIGNATURE:

Date:

	First	Middle Initial		Family Name
Residence				
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)				

## (8) INVENTOR'S SIGNATURE:

Date:

	First	Middle Initial		Family Name
Residence				
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)				

## (9) INVENTOR'S SIGNATURE:

Date:

	First	Middle Initial		Family Name
Residence				
	City	State/Foreign Country		Country of Citizenship
Post Office Address (include Zip Code)				



Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)  
**PATENT AND TRADEMARK CASES - RULES OF PRACTICE**  
**DUTY OF DISCLOSURE**

**COPY OF PAPERS  
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- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) Before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

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- (c) Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

\* Six months for Design Applications (35 U.S.C. 172).